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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,400	03/26/2004 Jeffery S. Thompson		CH2750USDIV	1353
	7590 04/15/200 DE NEMOURS AND (EXAMINER		
	NT RECORDS CENTI L PLAZA 25/1122B	PHASGE, ARUN S		
4417 LANCAS		ART UNIT	PAPER NUMBER	
WILMINGTON	N, DE 19805	1795		
		NOTIFICATION DATE	DELIVERY MODE	
			04/15/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTO-Legal.PRC@usa.dupont.com

Office Action Summary		Д	Application No.		Applicant(s)			
			10/810,400		THOMPSON ET AL.			
		E	xaminer		Art Unit			
			Arun S. Phasge		1795			
 Period for	- The MAILING DATE of this commun Reply	ication appea	rs on the cover sl	neet with the co	orrespondence ad	ddress		
WHICH - Extens after S - If NO p - Failure Any re	PRTENED STATUTORY PERIOD F HEVER IS LONGER, FROM THE M sions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this com- period for reply is specified above, the maximum st to reply within the set or extended period for reply ply received by the Office later than three months and dipatent term adjustment. See 37 CFR 1.704(b).	IAILING DAT of 37 CFR 1.136(a nunication. atutory period will a will, by statute, cau	E OF THIS COM a). In no event, however apply and will expire SIX use the application to be	MUNICATION , may a reply be time (6) MONTHS from to come ABANDONED	l. ely filed he mailing date of this o) (35 U.S.C. § 133).	·		
Status								
1)[7]	Responsive to communication(s) file	ad on 06 Febr	guary 2008					
· · · · · · · · · · · · · · · · · · ·	•		ction is non-final.					
′=		<i>′</i> —		al matters pro	secution as to th	o morite ie		
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
`	closed in accordance with the practi	ce under £x p	oane Quayle, 190	JO O.D. 11, 40	5 O.O. 215.			
Dispositio	on of Claims							
4) 🛛 (☑ Claim(s) <u>41-50</u> is/are pending in the application.							
4	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
•	6)⊠ Claim(s) <u>41-50</u> is/are rejected.							
	Claim(s) is/are objected to.							
•	Claim(s) are subject to restric	ction and/or el	lection requireme	ent.				
٠,١	5.5(4) <u></u> 55 55je 5. 15 7.50							
Application	on Papers							
9) <u></u> ⊤	he specification is objected to by th	e Examiner.						
10)□ T	he drawing(s) filed on is/are:	: a) <mark></mark> accept	ted or b) <mark>□</mark> objec	ted to by the E	xaminer.			
,	Applicant may not request that any obje	ction to the dra	wing(s) be held in	abeyance. See	37 CFR 1.85(a).			
ſ	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority uı	nder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Inform	s) of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (Fation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	PTO-948)	Pal 5) No	erview Summary (per No(s)/Mail Da tice of Informal Pa ner:	te			

DETAILED ACTION

Allowable Subject Matter

Claims 44, 48-50 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: none of the prior art of record discloses the claimed liquid alloy of the metals claimed or the use of naphthalene in the cathode as claimed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 41-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Kaun, U.S. Patent 4,158,720.

Kaun discloses the claimed cathode comprising a liquid alkali metal (see col. 5, line 36-65).

Therefore, the claims are anticipated.

Claims 41-43, 45-47 are rejected under 35 U.S.C. 102(b) as being anticipated by Ziegler et al. (Ziegler), U.S. Patent 3,234,113.

Ziegler discloses the claimed cathode comprising the claimed cathode comprising a liquid alkali metal, such as sodium and using an organic solvent comprising a ether (see claims 1-14).

The specification teaches that the liquid electrode is formed by the liquid metal depositing on the porous metal frame (see page 6, lines 14-20). Accordingly, the claims are anticipated.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arun S. Phasge whose telephone number is (571) 272-1345. The examiner can normally be reached on MONDAY-THURSDAY, 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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the automated information system, call 800-786-9199 (IN USA OR CANADA) or

571-272-1000.

/Arun S. Phasge/

Primary Examiner, Art Unit 1795

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